

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040524\
 Data File : VX040904.D
 Acq On : 05 Apr 2024 15:25
 Operator : JC/MD
 Sample : P1995-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MOO-23-00119

Quant Time: Apr 05 23:22:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:40:55 2024
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

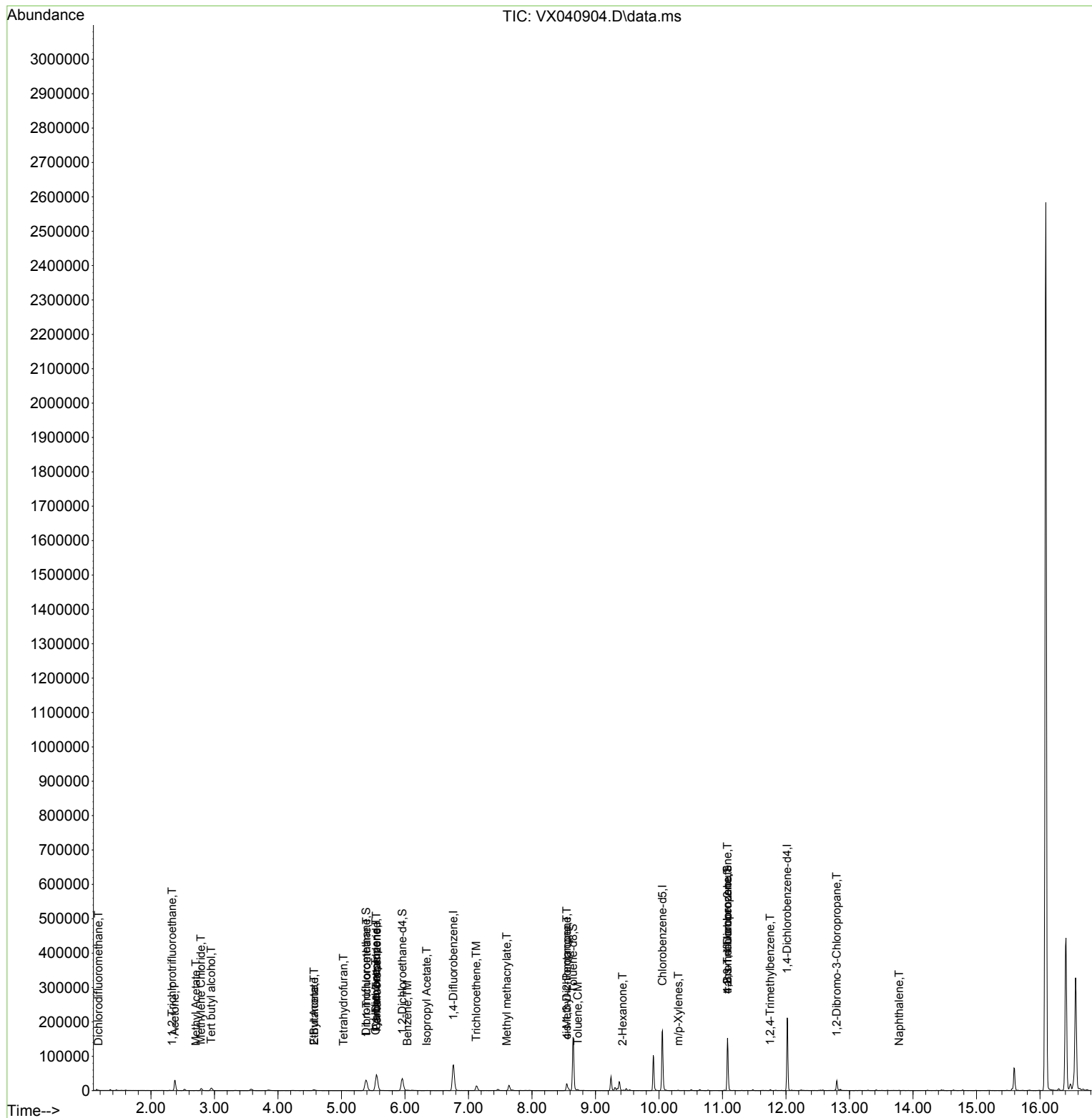
Internal Standards						
1) Pentafluorobenzene	5.556	168	39644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	72461	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	73520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	39488	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	35909	50.482	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.960%	
35) Dibromofluoromethane	5.385	113	25719	50.111	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.220%	
50) Toluene-d8	8.647	98	92597	49.929	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.860%	
62) 4-Bromofluorobenzene	11.079	95	38022	51.338	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.680%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	664	1.236	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.331	101	249	0.527	ug/l	89
11) Tert butyl alcohol	2.947	59	8259	63.596	ug/l #	92
16) Acetone	2.374	43	32890	119.080	ug/l	95
18) Methyl Acetate	2.709	43	415	0.633	ug/l #	53
20) Methylene Chloride	2.788	84	2815	5.500	ug/l	92
25) 2-Butanone	4.568	43	4324	10.539	ug/l	97
29) Tetrahydrofuran	5.032	42	206	0.772	ug/l #	34
31) Cyclohexane	5.538	56	1030	1.365	ug/l #	67
32) 1,1,1-Trichloroethane	5.397	97	802	0.939	ug/l #	43
36) 1,1-Dichloropropene	5.544	75	3656	5.013	ug/l #	46
37) Ethyl Acetate	4.568	43	4324	4.829	ug/l #	69
38) Carbon Tetrachloride	5.550	117	4435	5.493	ug/l #	11
40) Benzene	6.038	78	1599	0.790	ug/l	93
43) Isopropyl Acetate	6.342	43	667	0.482	ug/l #	62
44) Trichloroethene	7.123	130	4935	9.762	ug/l	96
48) Methyl methacrylate	7.604	41	894	1.320	ug/l #	16
51) 4-Methyl-2-Pentanone	8.549	43	10427	11.367	ug/l #	37
52) Toluene	8.720	92	679	0.532	ug/l	93
54) cis-1,3-Dichloropropene	8.549	75	2867	3.509	ug/l #	73
59) 2-Hexanone	9.427	43	915	1.244	ug/l	82
68) m/p-Xylenes	10.305	106	327	0.313	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	22886	27.179	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	22886	73.330	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	1170	0.493	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.799	75	343	1.415	ug/l #	9
95) Naphthalene	13.780	128	950	0.332	ug/l #	88

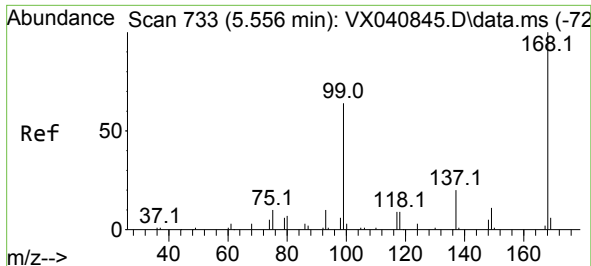
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040524\
Data File : VX040904.D
Acq On : 05 Apr 2024 15:25
Operator : JC/MD
Sample : P1995-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MOO-23-00119

Quant Time: Apr 05 23:22:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 02 05:40:55 2024
Response via : Initial Calibration

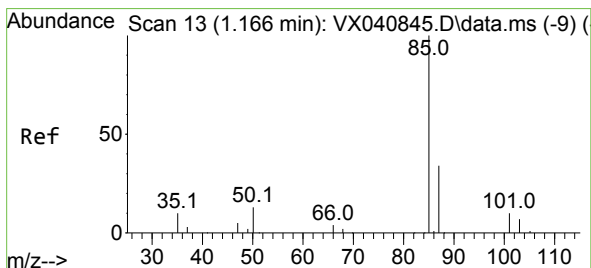
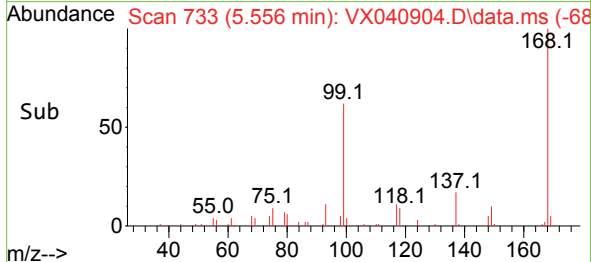
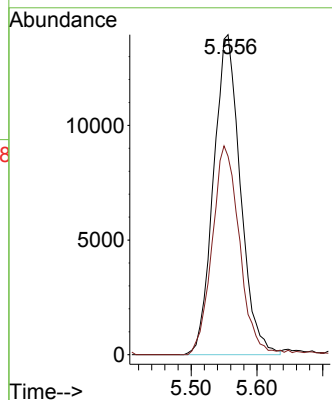
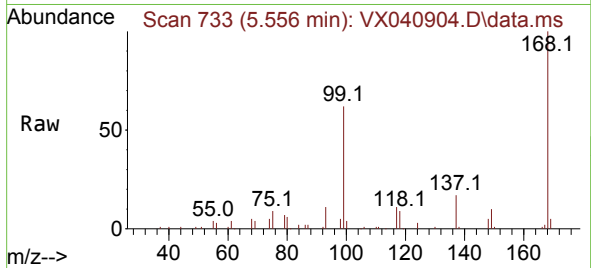




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

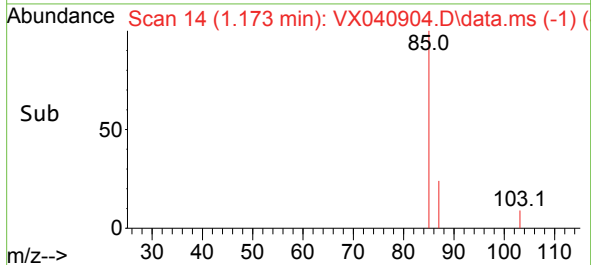
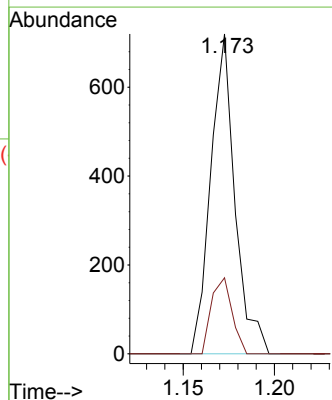
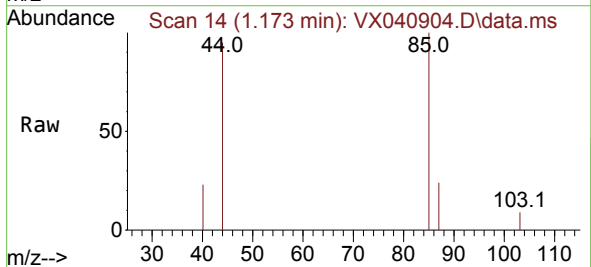
Instrument :
MSVOA_X
ClientSampleId :
MOO-23-00119

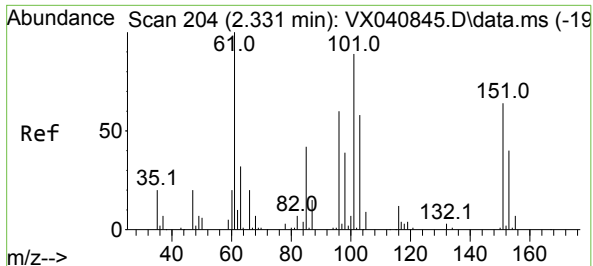
Tgt Ion:168 Resp: 39644
Ion Ratio Lower Upper
168 100
99 62.0 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 1.236 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

Tgt Ion: 85 Resp: 664
Ion Ratio Lower Upper
85 100
87 23.8 16.7 50.1

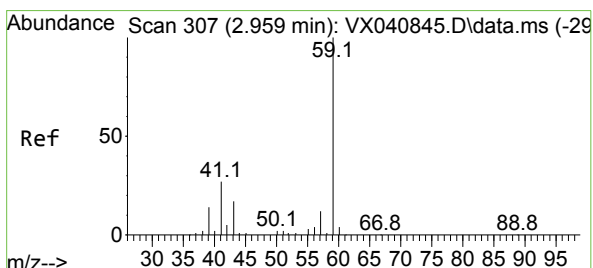
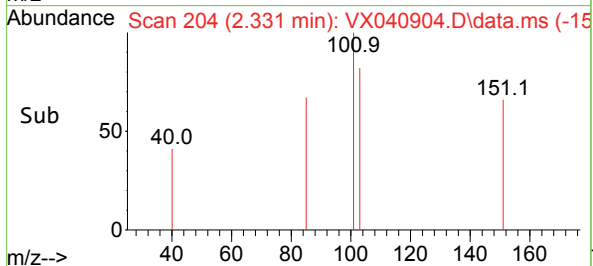
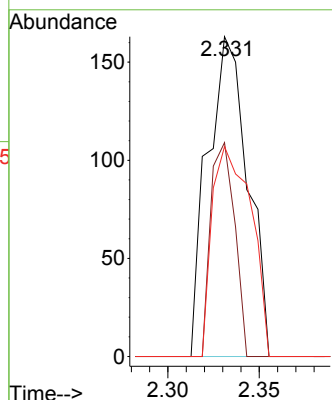
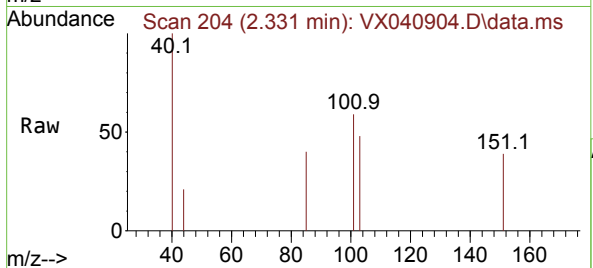




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.527 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

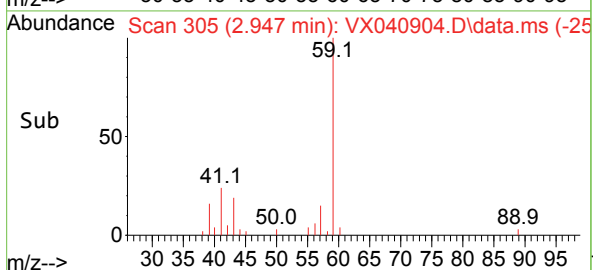
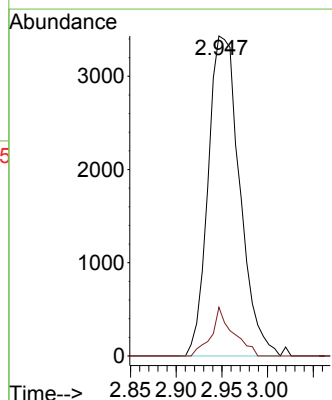
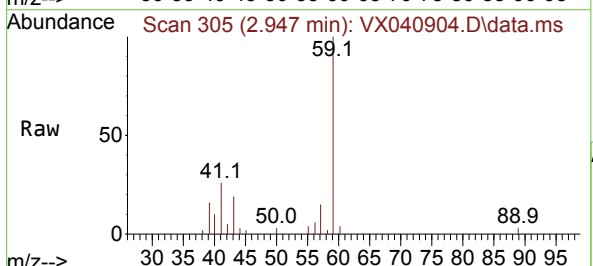
Instrument :
MSVOA_X
ClientSampleId :
MOO-23-00119

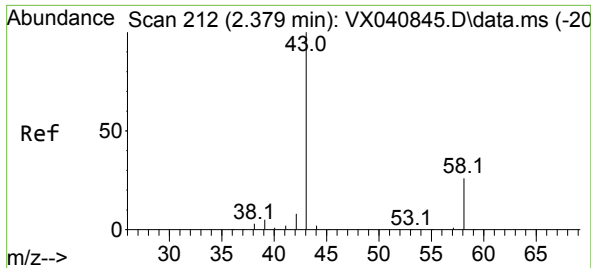
Tgt Ion:101 Resp: 249
Ion Ratio Lower Upper
101 100
85 40.2 37.0 55.6
151 63.5 58.6 87.8



#11
Tert butyl alcohol
Concen: 63.596 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

Tgt Ion: 59 Resp: 8259
Ion Ratio Lower Upper
59 100
57 10.4 6.0 9.0#





#16

Acetone

Concen: 119.080 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX040904.D

Acq: 05 Apr 2024 15:25

Instrument :

MSVOA_X

ClientSampleId :

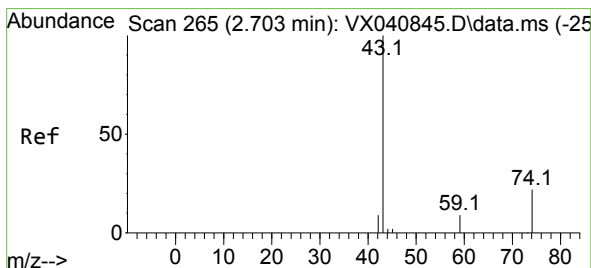
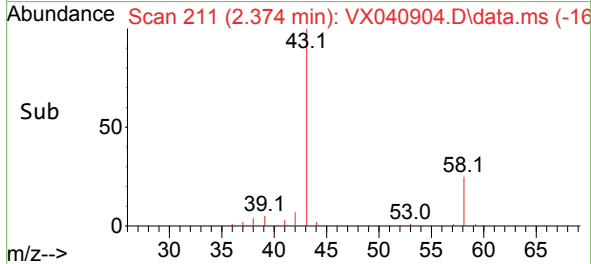
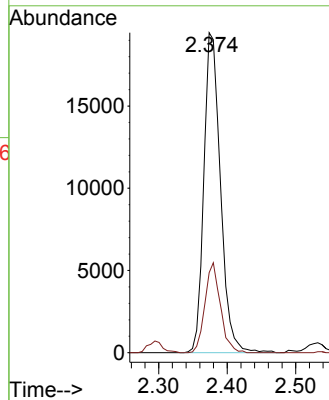
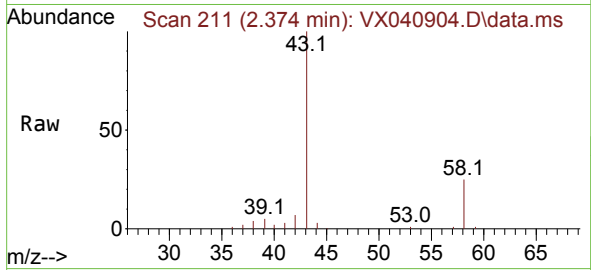
MOO-23-00119

Tgt Ion: 43 Resp: 32890

Ion Ratio Lower Upper

43 100

58 25.0 21.9 32.9



#18

Methyl Acetate

Concen: 0.633 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX040904.D

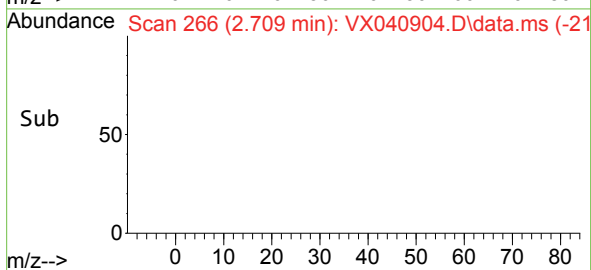
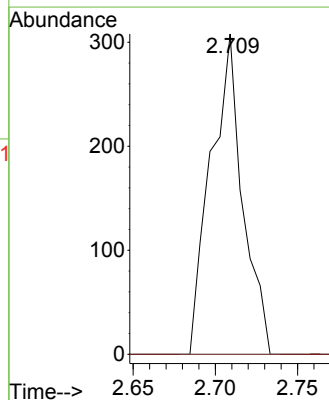
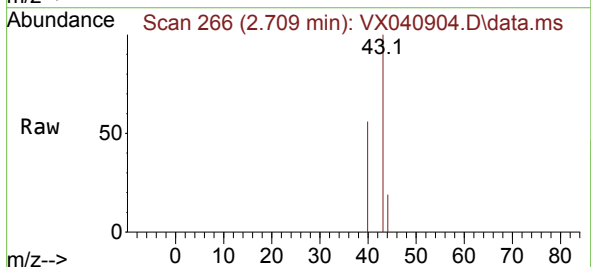
Acq: 05 Apr 2024 15:25

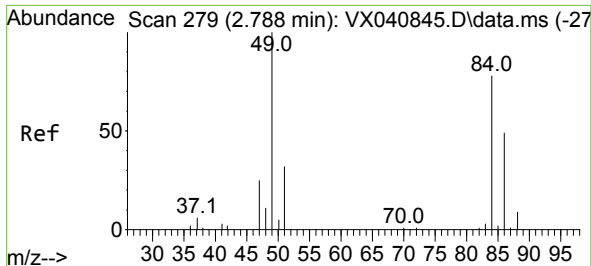
Tgt Ion: 43 Resp: 415

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#





#20

Methylene Chloride

Concen: 5.500 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX040904.D

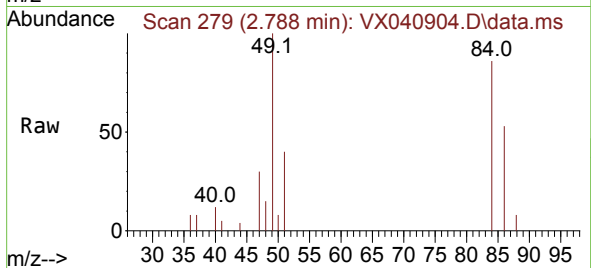
Acq: 05 Apr 2024 15:25

Instrument :

MSVOA_X

ClientSampleId :

MOO-23-00119



Tgt Ion: 84 Resp: 2815

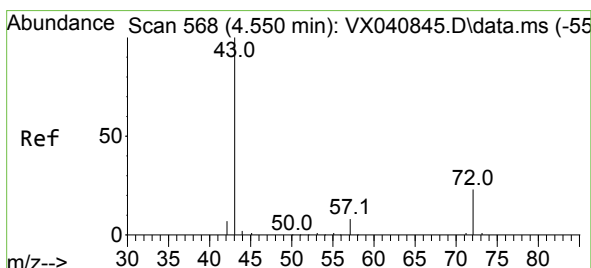
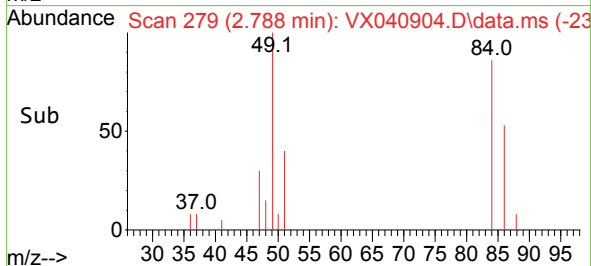
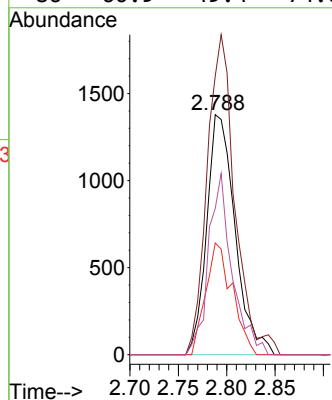
Ion Ratio Lower Upper

84 100

49 116.0 103.6 155.4

51 46.6 33.8 50.6

86 60.9 49.4 74.0



#25

2-Butanone

Concen: 10.539 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.019 min

Lab File: VX040904.D

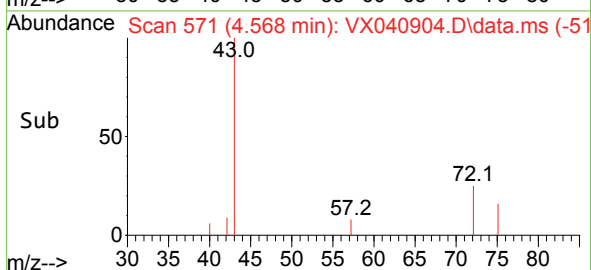
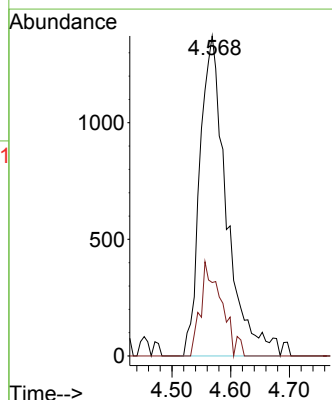
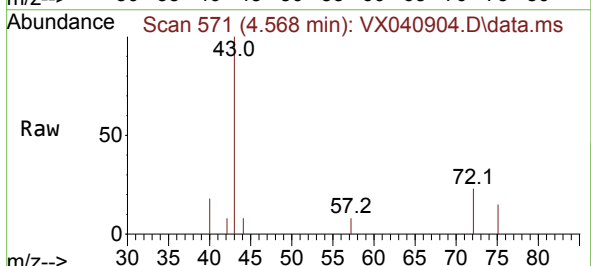
Acq: 05 Apr 2024 15:25

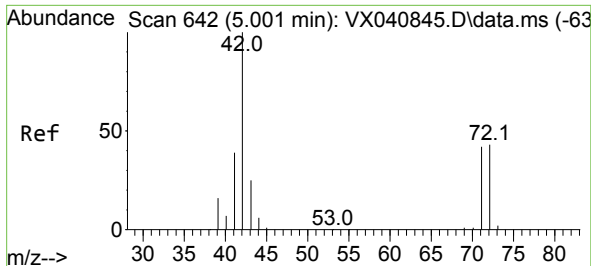
Tgt Ion: 43 Resp: 4324

Ion Ratio Lower Upper

43 100

72 23.0 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.772 ug/l

RT: 5.032 min Scan# 642

Delta R.T. 0.031 min

Lab File: VX040904.D

Acq: 05 Apr 2024 15:25

Instrument :

MSVOA_X

ClientSampleId :

MOO-23-00119

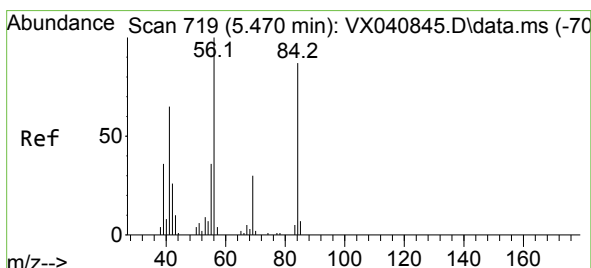
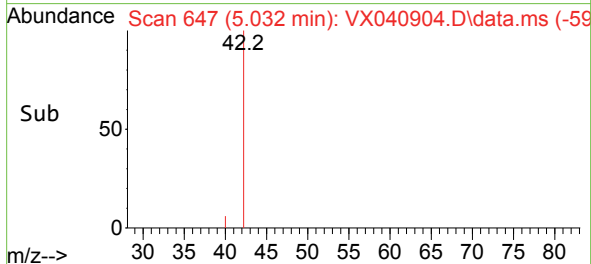
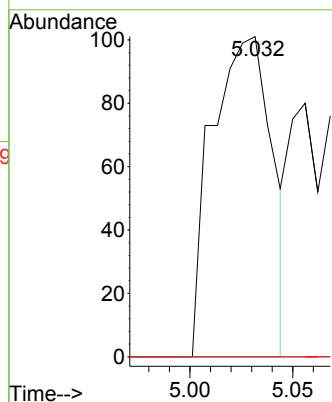
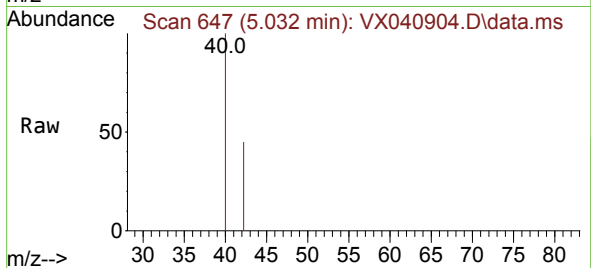
Tgt Ion: 42 Resp: 206

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.365 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.067 min

Lab File: VX040904.D

Acq: 05 Apr 2024 15:25

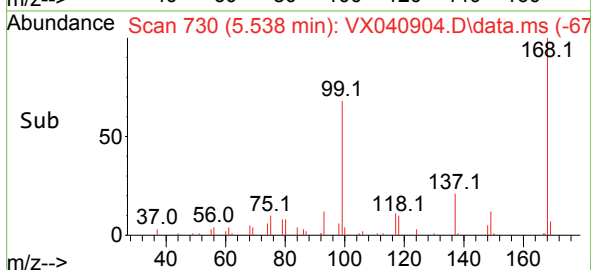
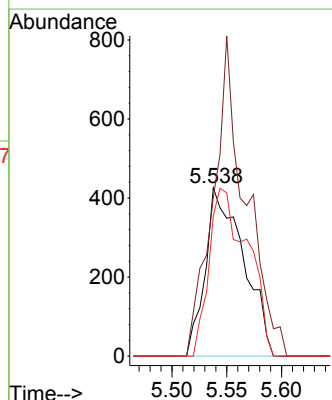
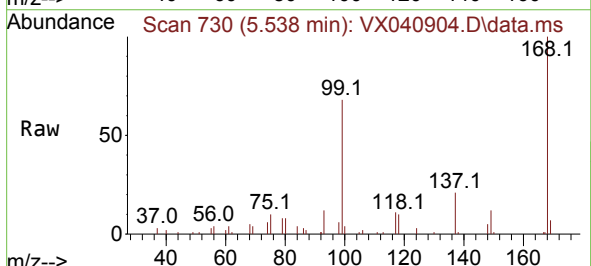
Tgt Ion: 56 Resp: 1030

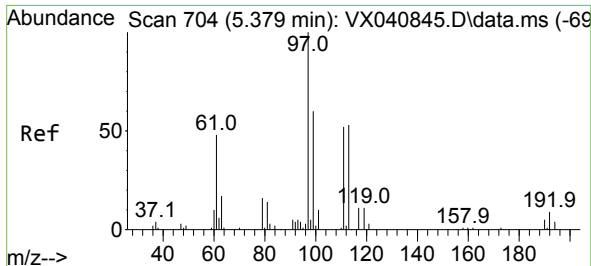
Ion Ratio Lower Upper

56 100

69 94.4 23.4 35.2#

84 83.3 65.9 98.9

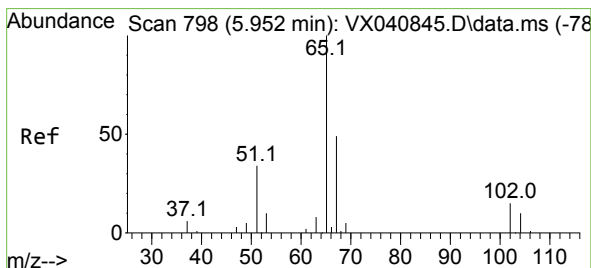
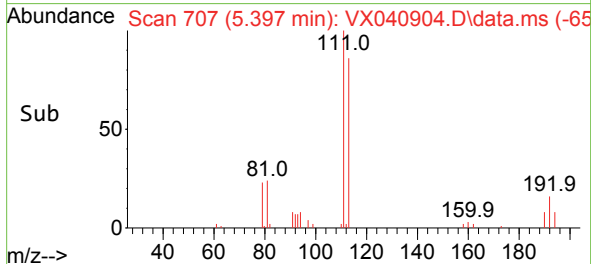
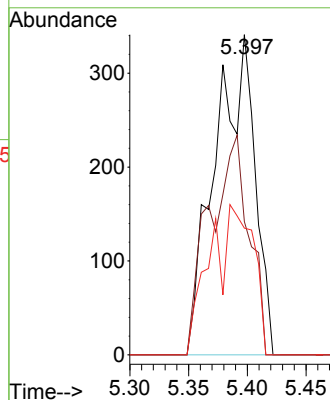
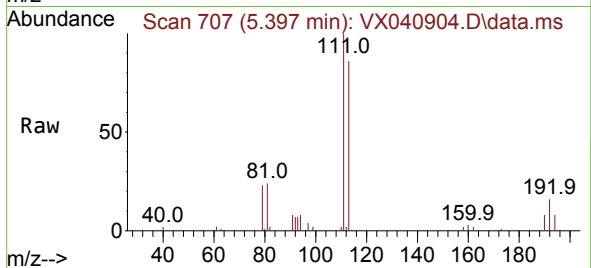




#32
 1,1,1-Trichloroethane
 Concen: 0.939 ug/l
 RT: 5.397 min Scan# 704
 Delta R.T. 0.019 min
 Lab File: VX040904.D
 Acq: 05 Apr 2024 15:25

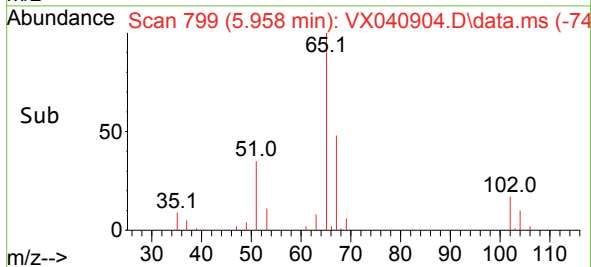
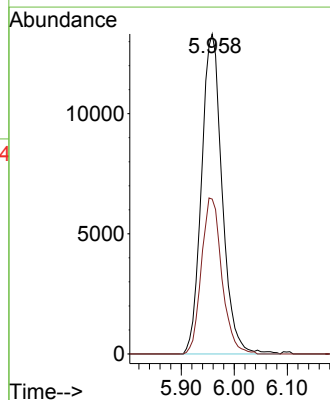
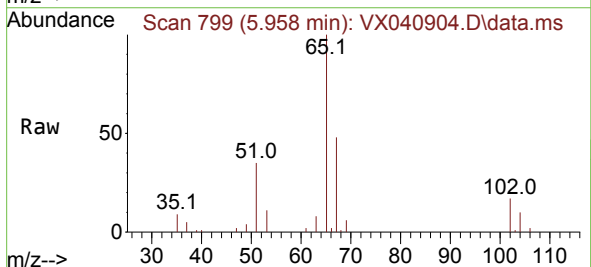
Instrument :
 MSVOA_X
 ClientSampleId :
 MOO-23-00119

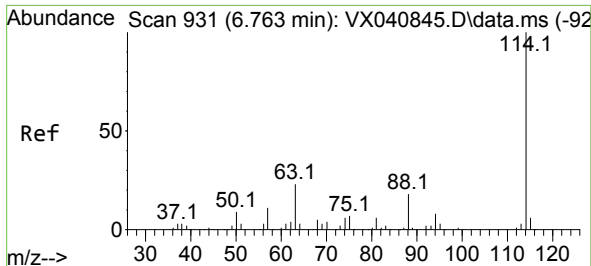
Tgt Ion: 97 Resp: 802
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.1 76.7#
 61 30.7 36.4 54.6#



#33
 1,2-Dichloroethane-d4
 Concen: 50.482 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.006 min
 Lab File: VX040904.D
 Acq: 05 Apr 2024 15:25

Tgt Ion: 65 Resp: 35909
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 100.2

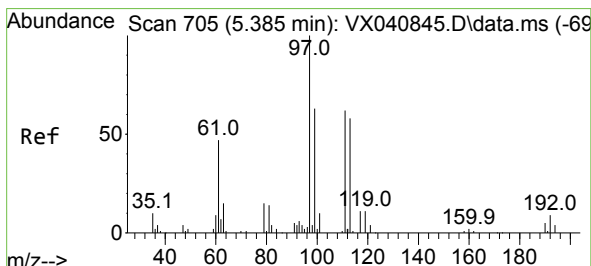
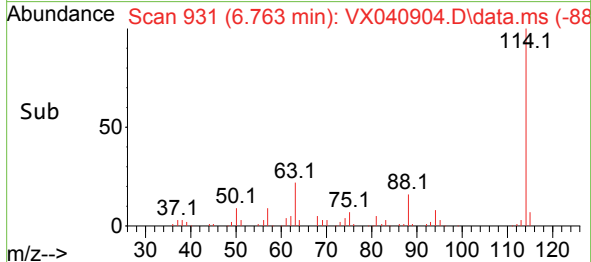
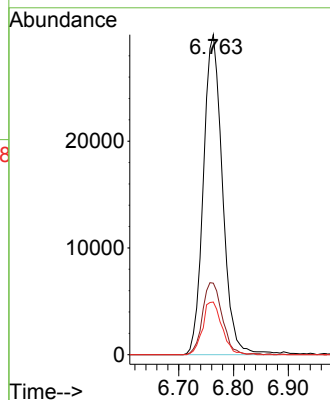
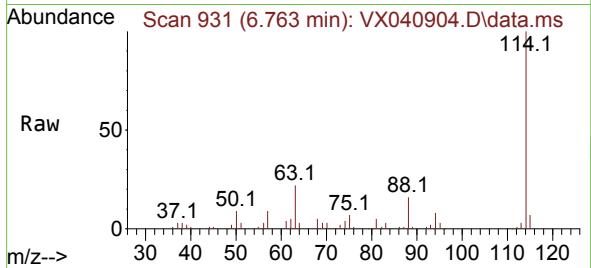




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

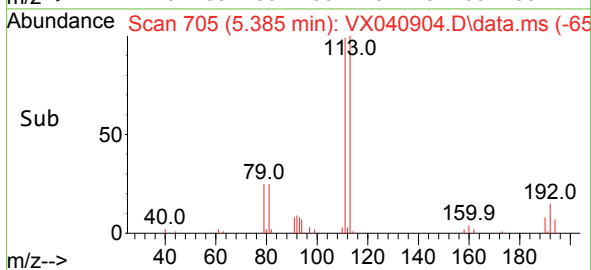
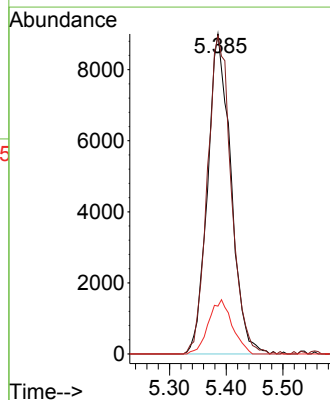
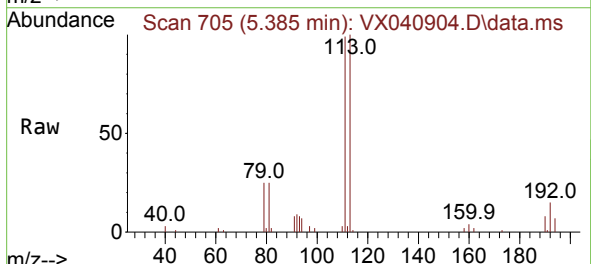
Instrument :
MSVOA_X
ClientSampleId :
MOO-23-00119

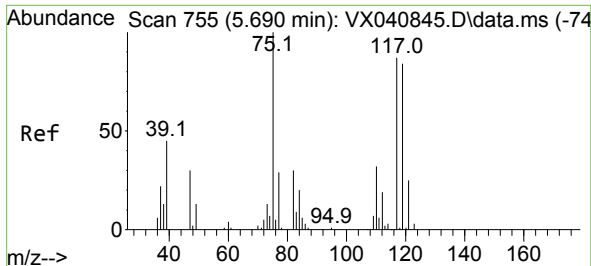
Tgt Ion:114 Resp: 72461
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.111 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

Tgt Ion:113 Resp: 25719
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 17.3 13.3 19.9

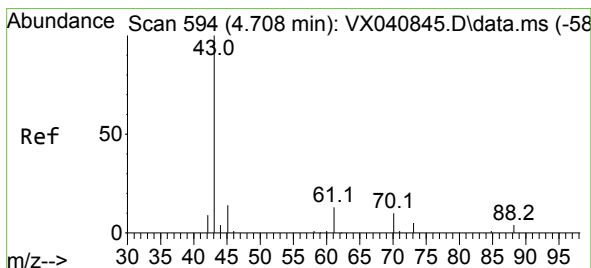
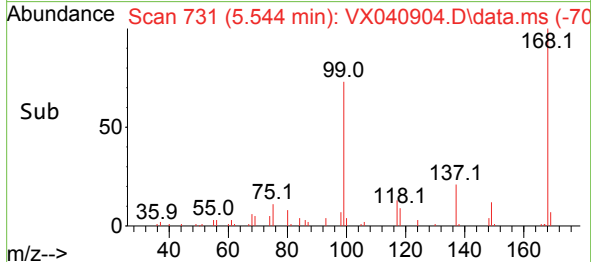
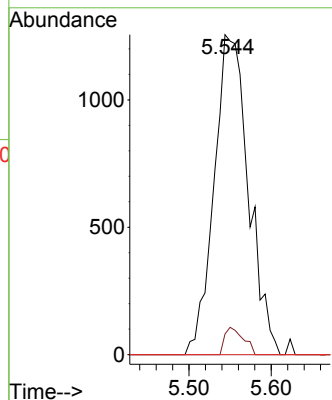
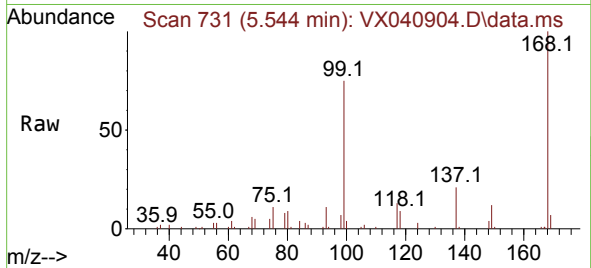




#36
1,1-Dichloropropene
Concen: 5.013 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

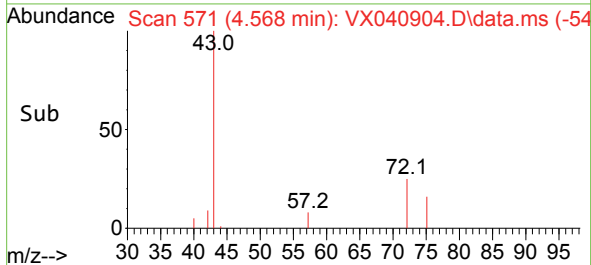
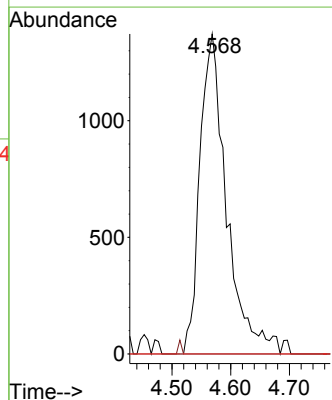
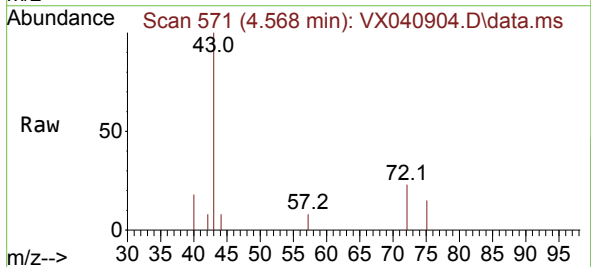
Instrument :
MSVOA_X
ClientSampleId :
MOO-23-00119

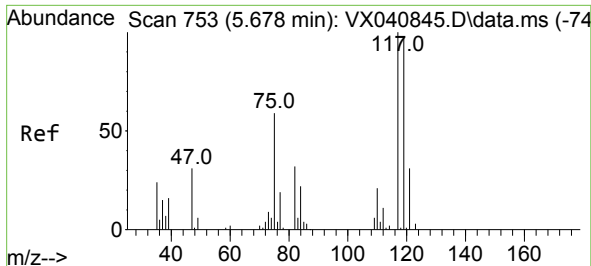
Tgt Ion: 75 Resp: 3656
Ion Ratio Lower Upper
75 100
110 4.6 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 4.829 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.140 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

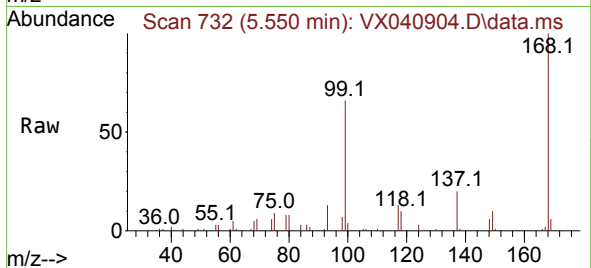
Tgt Ion: 43 Resp: 4324
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



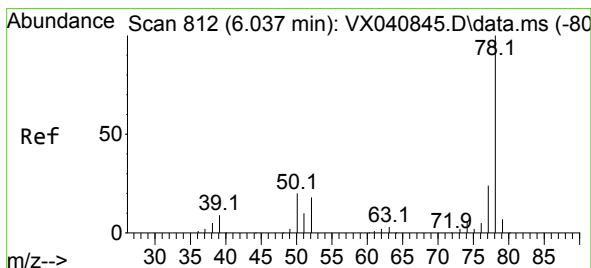
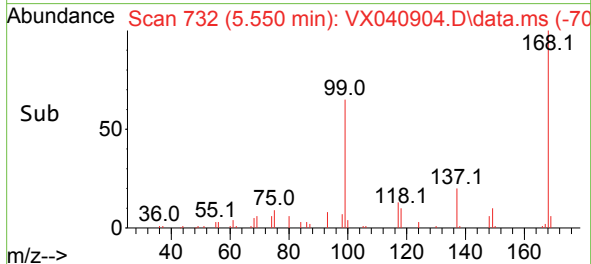
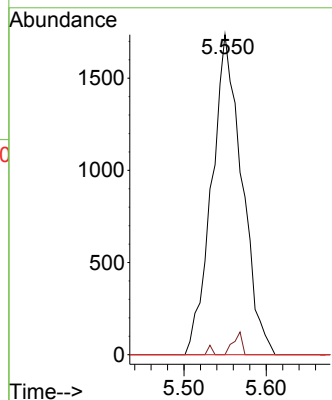


#38
Carbon Tetrachloride
Concen: 5.493 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

Instrument :
MSVOA_X
ClientSampleId :
MOO-23-00119

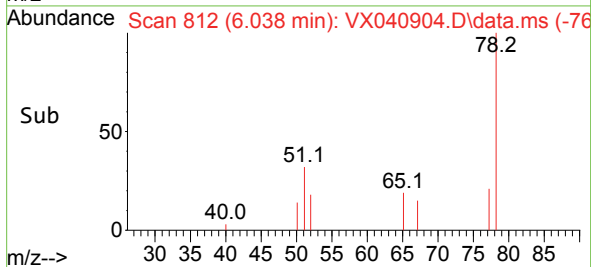
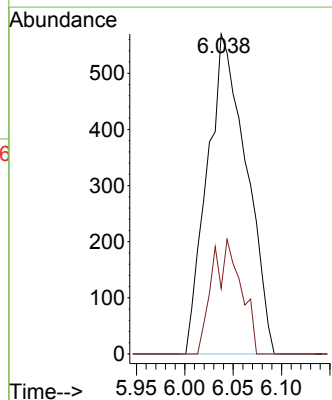
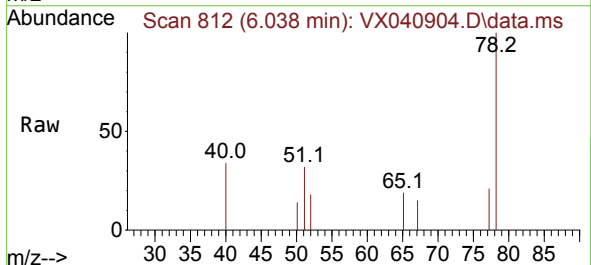


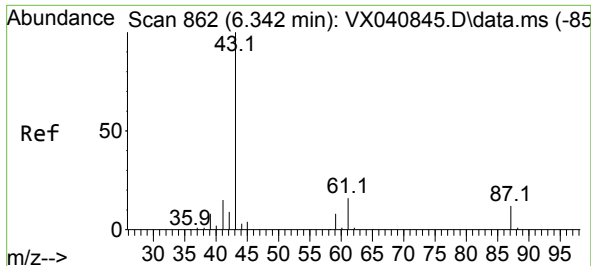
Tgt Ion:117 Resp: 4435
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.790 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

Tgt Ion: 78 Resp: 1599
Ion Ratio Lower Upper
78 100
77 20.5 19.3 28.9





#43

Isopropyl Acetate

Concen: 0.482 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX040904.D

Acq: 05 Apr 2024 15:25

Instrument :

MSVOA_X

ClientSampleId :

MOO-23-00119

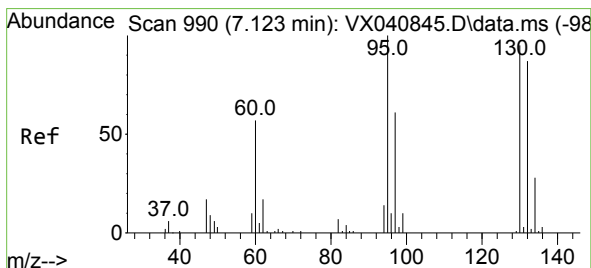
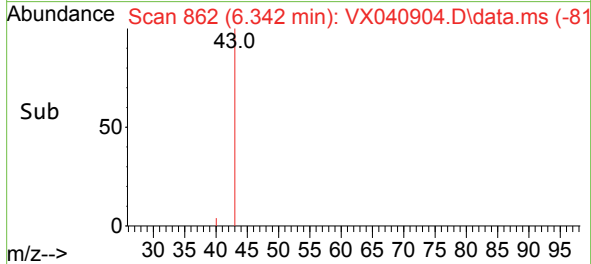
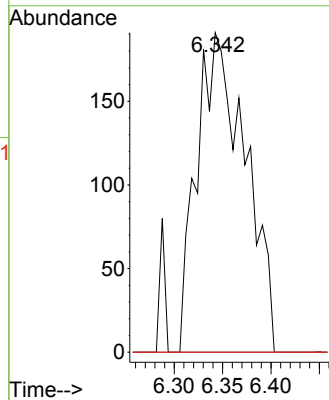
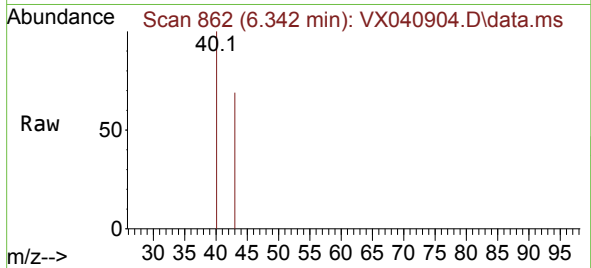
Tgt Ion: 43 Resp: 667

Ion Ratio Lower Upper

43 100

61 0.0 15.2 22.8#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 9.762 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX040904.D

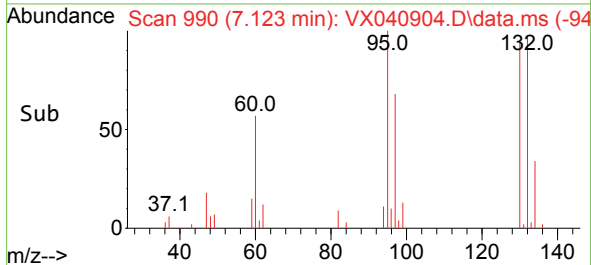
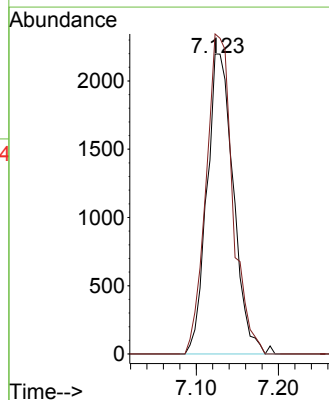
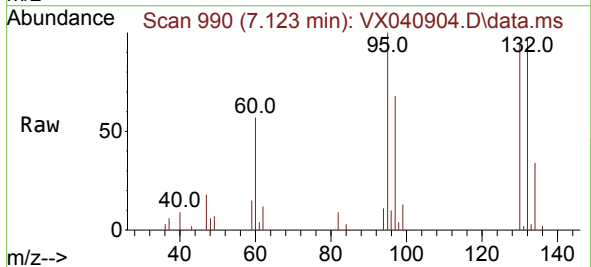
Acq: 05 Apr 2024 15:25

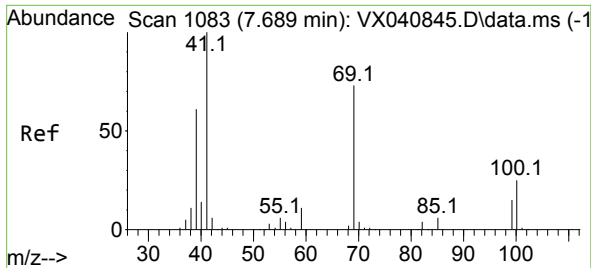
Tgt Ion: 130 Resp: 4935

Ion Ratio Lower Upper

130 100

95 106.6 0.0 204.4

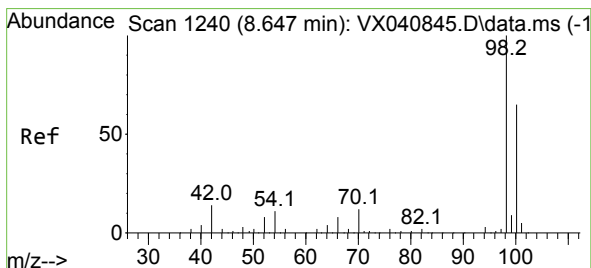
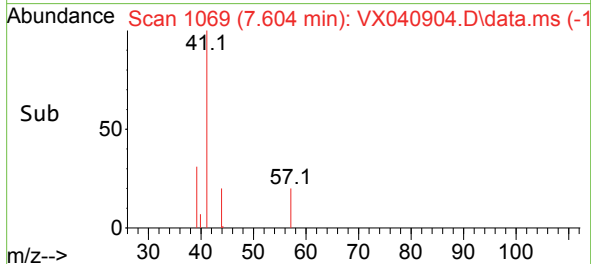
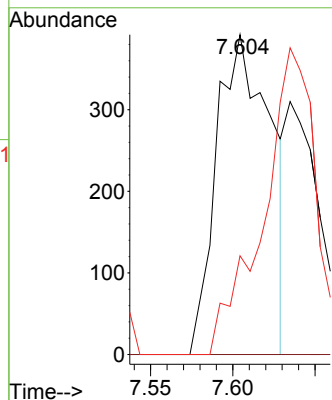
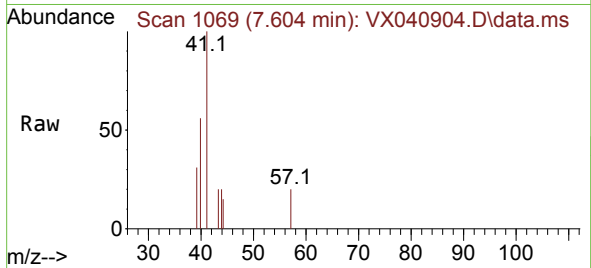




#48
Methyl methacrylate
Concen: 1.320 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.085 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

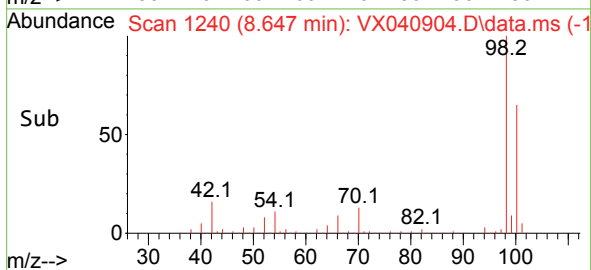
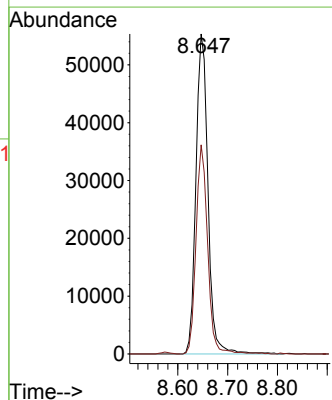
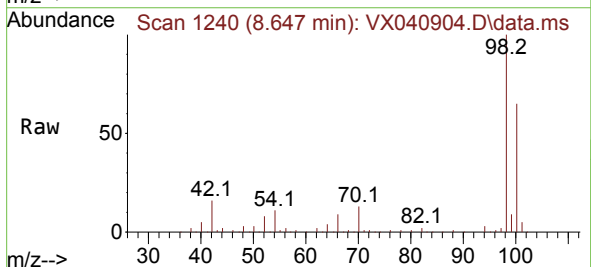
Instrument :
MSVOA_X
ClientSampleId :
MOO-23-00119

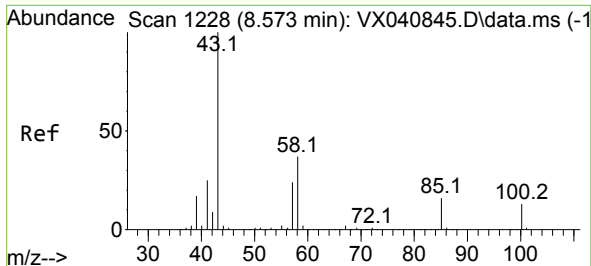
Tgt Ion: 41 Resp: 894
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#



#50
Toluene-d8
Concen: 49.929 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

Tgt Ion: 98 Resp: 92597
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7

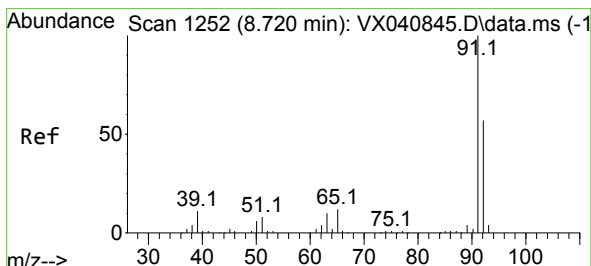
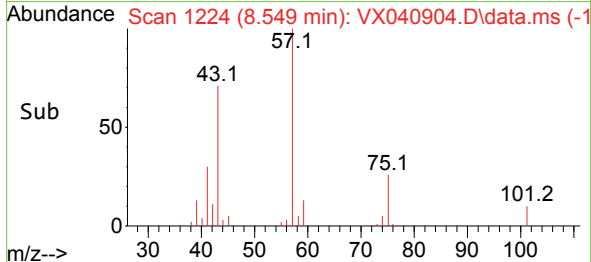
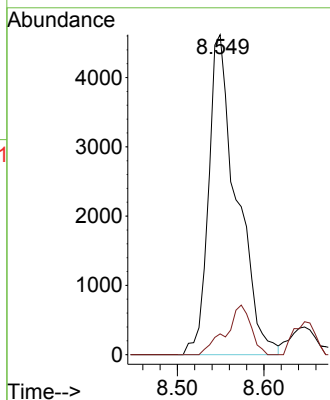
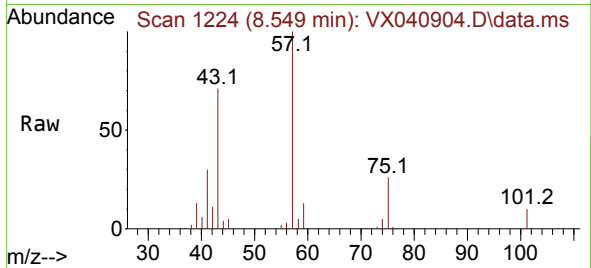




#51
4-Methyl-2-Pentanone
Concen: 11.367 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

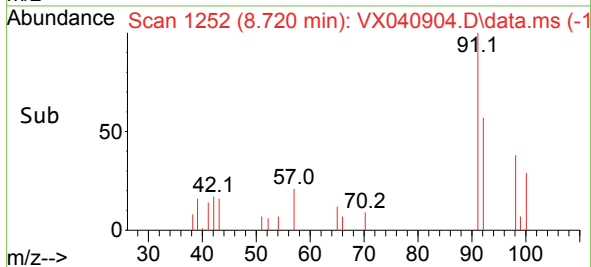
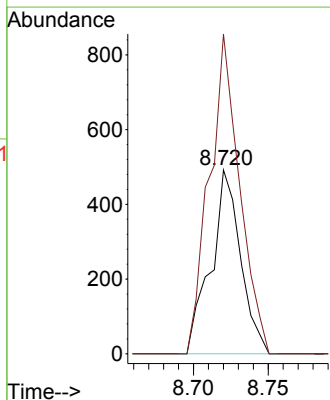
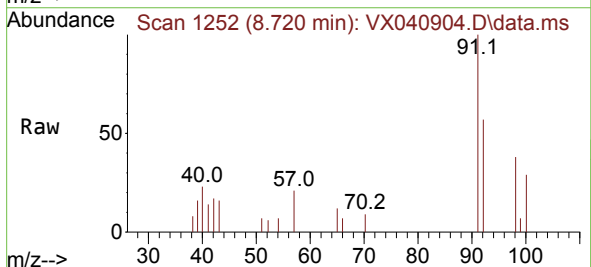
Instrument :
MSVOA_X
ClientSampleId :
MOO-23-00119

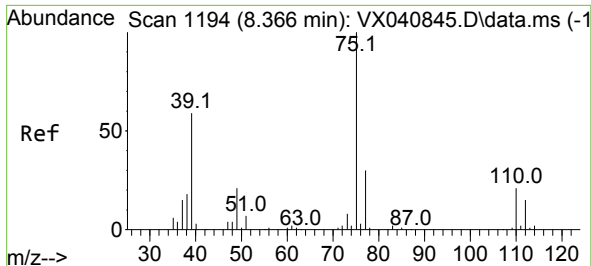
Tgt Ion: 43 Resp: 10427
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#52
Toluene
Concen: 0.532 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

Tgt Ion: 92 Resp: 679
Ion Ratio Lower Upper
92 100
91 177.0 134.2 201.2

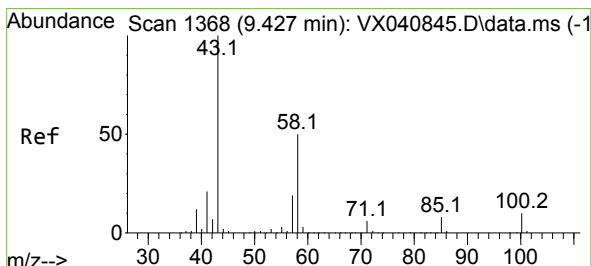
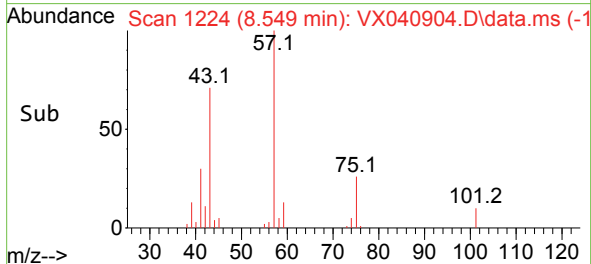
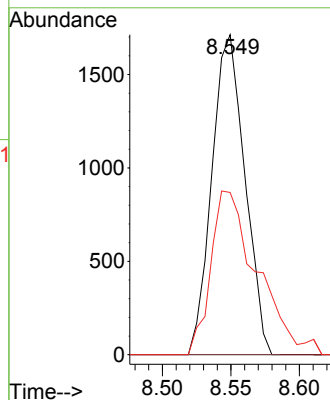
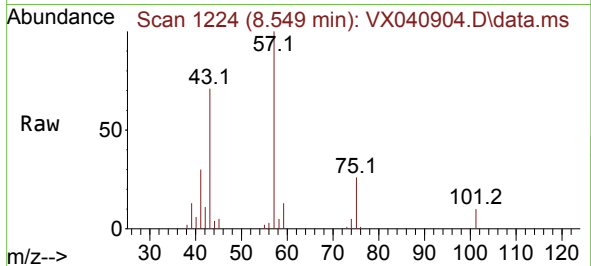




#54
 cis-1,3-Dichloropropene
 Concen: 3.509 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX040904.D
 Acq: 05 Apr 2024 15:25

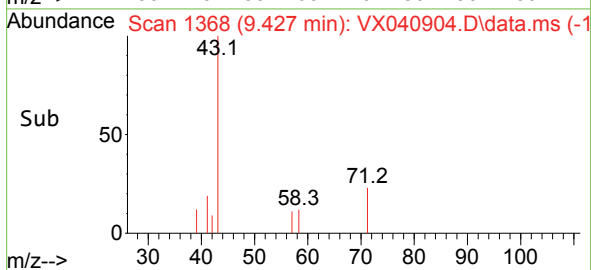
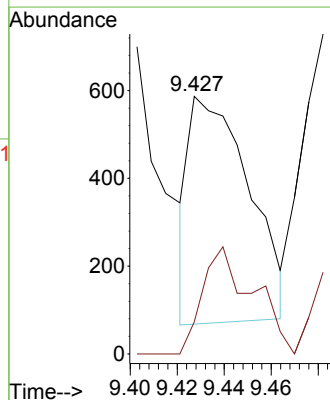
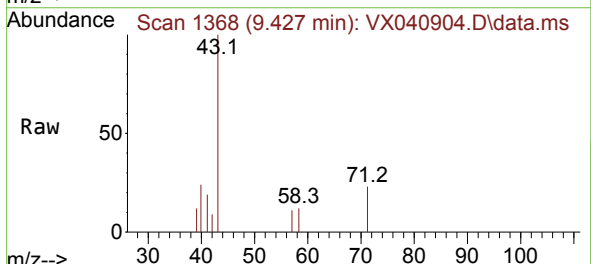
Instrument :
 MSVOA_X
 ClientSampleId :
 MOO-23-00119

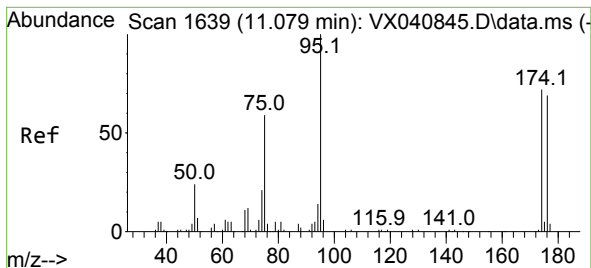
Tgt Ion: 75 Resp: 2867
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 50.7 46.7 70.1



#59
 2-Hexanone
 Concen: 1.244 ug/l
 RT: 9.427 min Scan# 1368
 Delta R.T. 0.000 min
 Lab File: VX040904.D
 Acq: 05 Apr 2024 15:25

Tgt Ion: 43 Resp: 915
 Ion Ratio Lower Upper
 43 100
 58 39.8 26.2 78.5

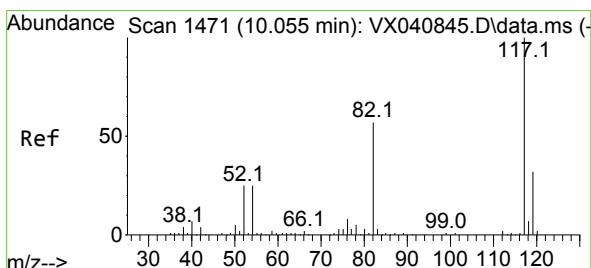
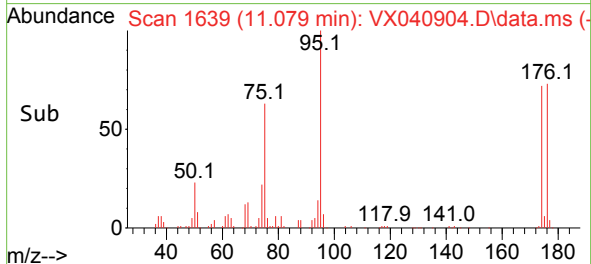
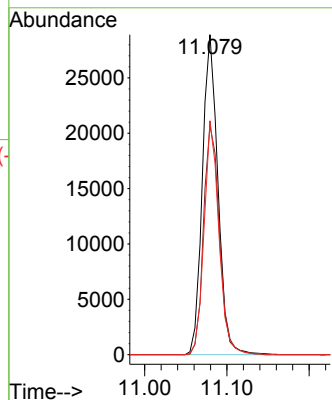
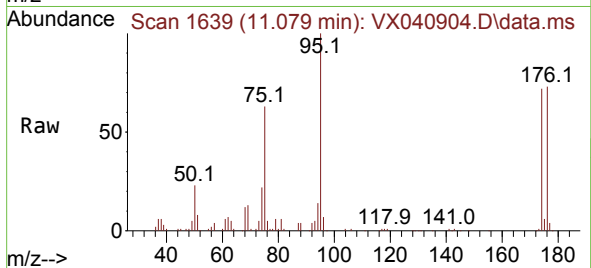




#62
4-Bromofluorobenzene
Concen: 51.338 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

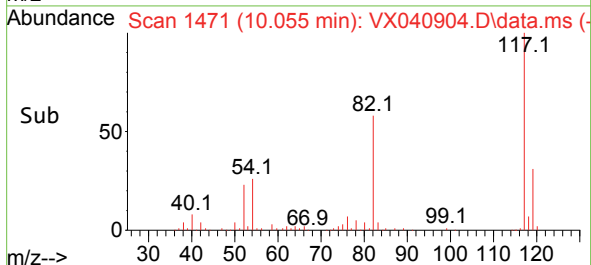
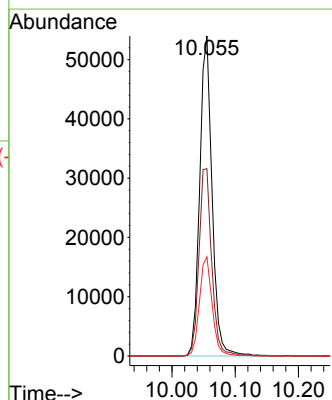
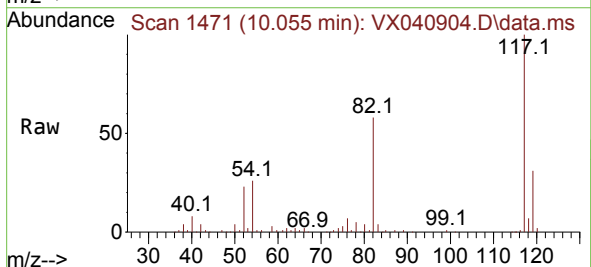
Instrument :
MSVOA_X
ClientSampleId :
MOO-23-00119

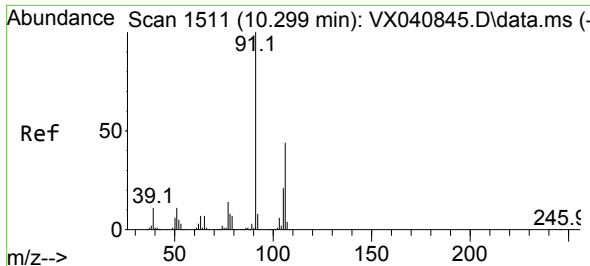
Tgt Ion: 95 Resp: 38022
Ion Ratio Lower Upper
95 100
174 73.5 0.0 135.6
176 69.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

Tgt Ion: 117 Resp: 73520
Ion Ratio Lower Upper
117 100
82 58.5 46.2 69.4
119 30.9 25.5 38.3

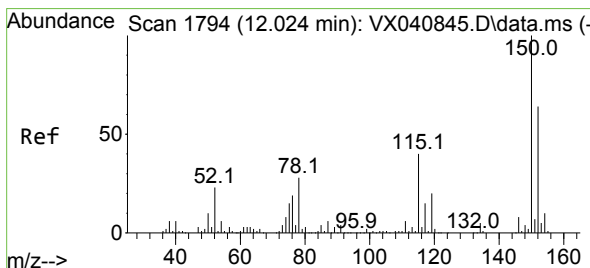
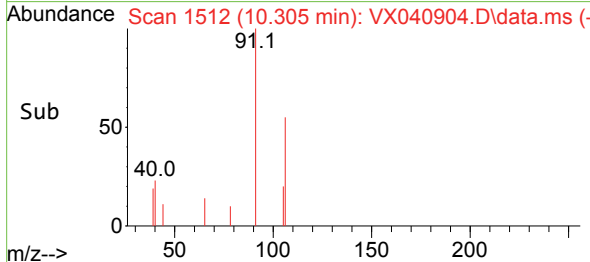
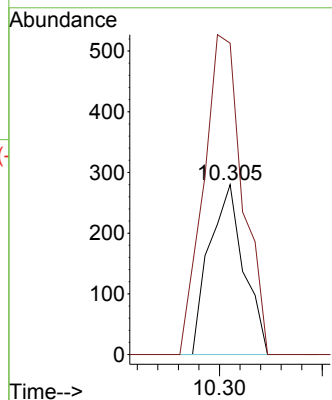
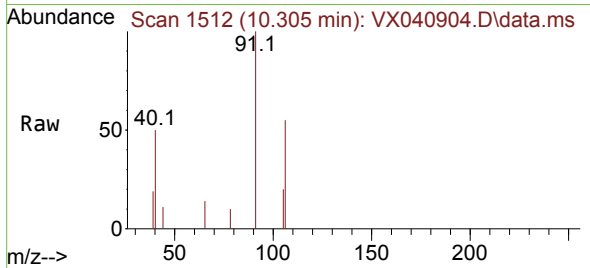




#68
m/p-Xylenes
Concen: 0.313 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

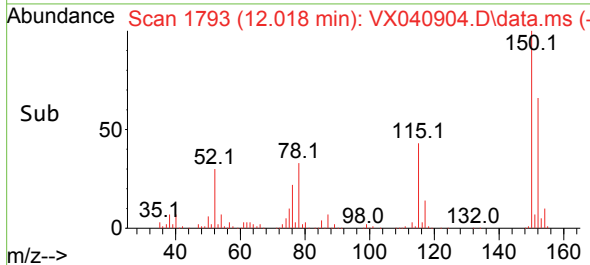
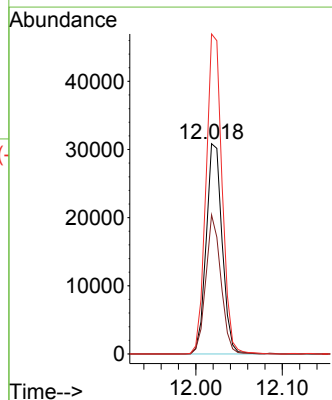
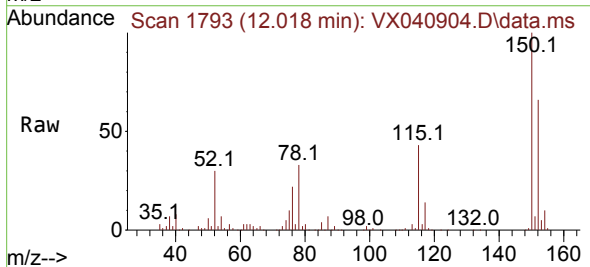
Instrument :
MSVOA_X
ClientSampleId :
MOO-23-00119

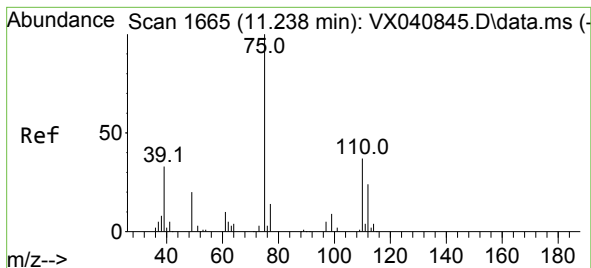
Tgt Ion:106 Resp: 327
Ion Ratio Lower Upper
106 100
91 212.8 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

Tgt Ion:152 Resp: 39488
Ion Ratio Lower Upper
152 100
115 62.3 43.3 129.9
150 152.8 0.0 345.0

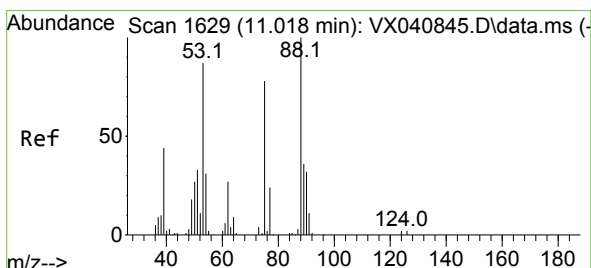
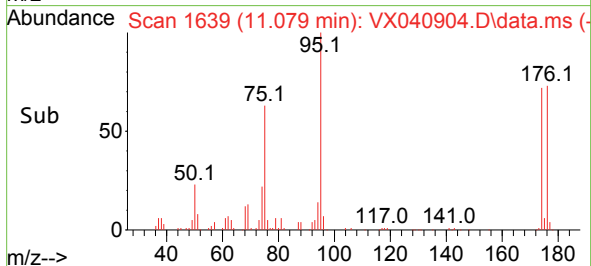
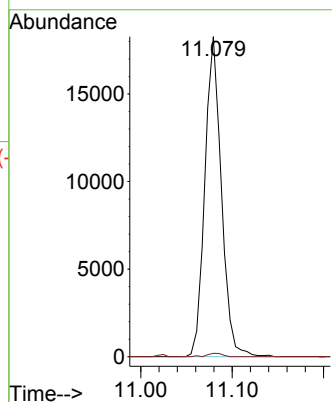
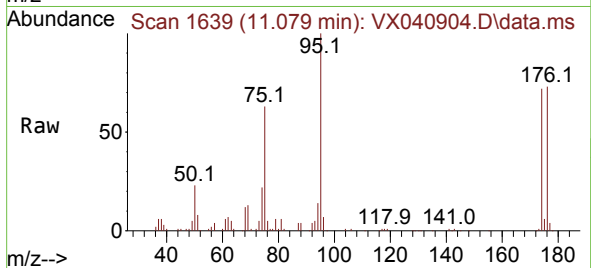




#76
1,2,3-Trichloropropane
Concen: 27.179 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

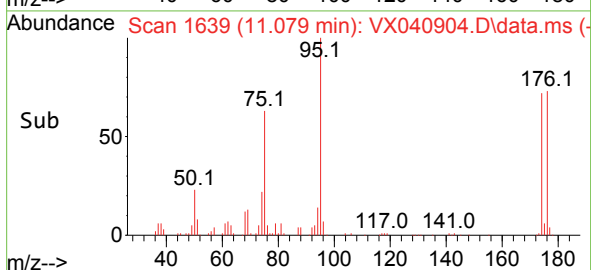
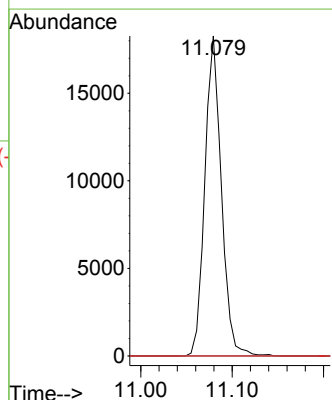
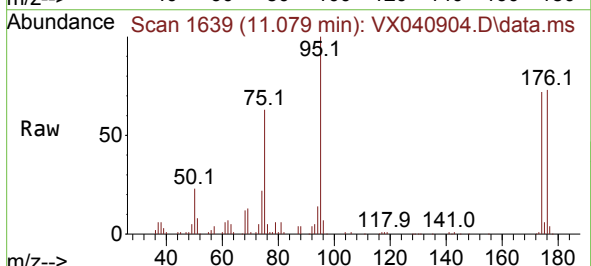
Instrument :
MSVOA_X
ClientSampleId :
MOO-23-00119

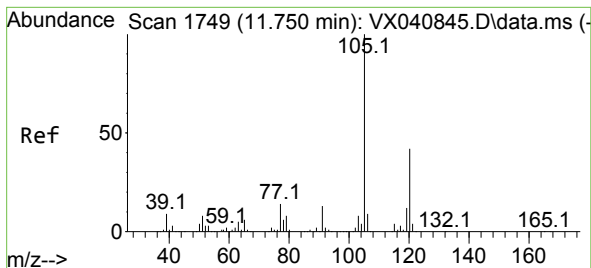
Tgt Ion: 75 Resp: 22886
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.330 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040904.D
Acq: 05 Apr 2024 15:25

Tgt Ion: 75 Resp: 22886
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.493 ug/l

RT: 11.750 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VX040904.D

Acq: 05 Apr 2024 15:25

Instrument :

MSVOA_X

ClientSampleId :

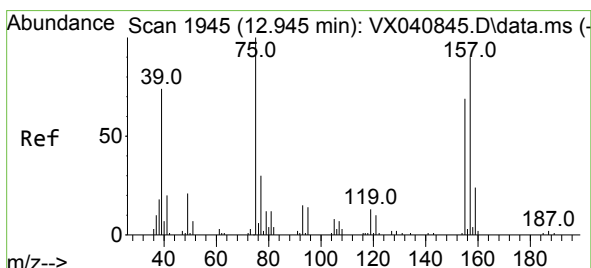
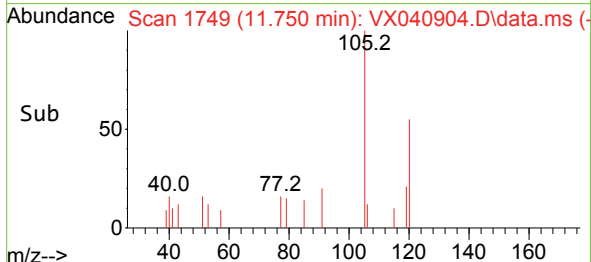
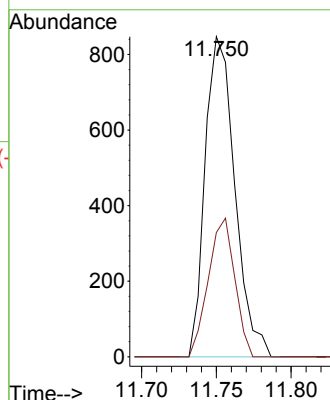
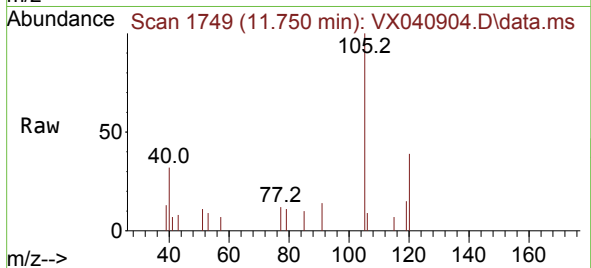
MOO-23-00119

Tgt Ion:105 Resp: 1170

Ion Ratio Lower Upper

105 100

120 38.5 21.2 63.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.415 ug/l

RT: 12.799 min Scan# 1921

Delta R.T. -0.146 min

Lab File: VX040904.D

Acq: 05 Apr 2024 15:25

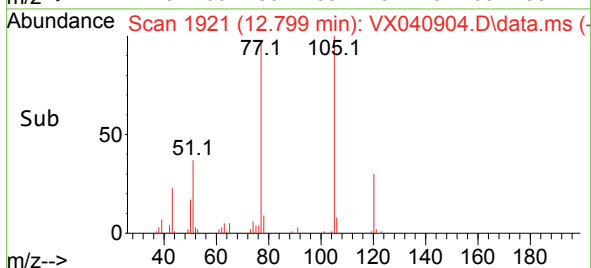
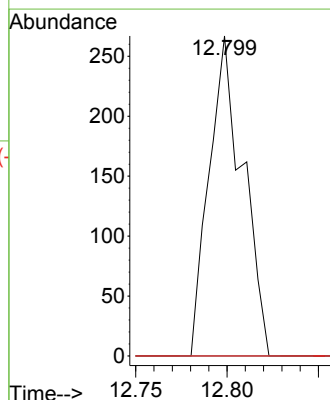
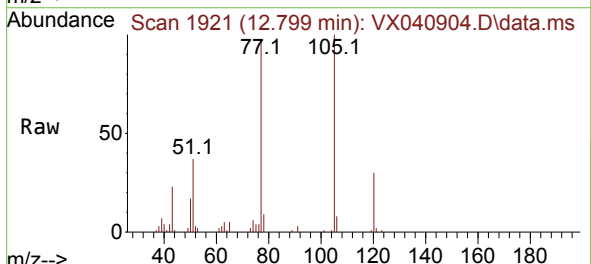
Tgt Ion: 75 Resp: 343

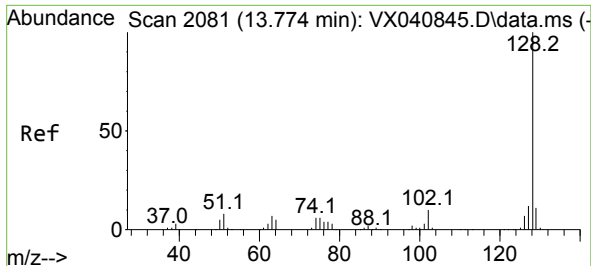
Ion Ratio Lower Upper

75 100

155 0.0 36.1 108.5#

157 0.0 44.9 134.7#





#95

Naphthalene

Concen: 0.332 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040904.D

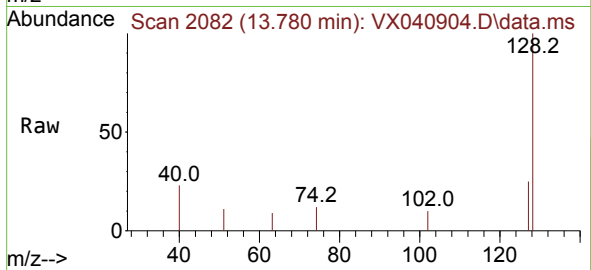
Acq: 05 Apr 2024 15:25

Instrument :

MSVOA_X

ClientSampleId :

MOO-23-00119



Tgt Ion:	128	Resp:	950
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.3	15.5
129	2.7	8.8	13.2#

